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Field Crop Abstracts

A monthly journal compiled from the CAB ABSTRACTS database.
Produced by the DIVISION OF CROP PRODUCTION

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The staff of the Division of Crop Production prepare abstracts for the CAB ABSTRACTS database which are published in the three main monthly journals, *Field Crop Abstracts*, *Horticultural Abstracts* and *Grasslands and Forage Abstracts*. These three journals together cover world scientific literature on cultivated crops as well as on wild plants of known economic importance.

Scope of *Field Crop Abstracts:* the subjects covered include the agronomy and biology of all annual field crops grown for food, fodder, oil and fibre and of tobacco. Land use, farming systems, agricultural meteorology and the control of weeds, pests and diseases are dealt with in so far as they concern the crop coverage.

READERS' GUIDE TO ABSTRACTS

An abstract consists of the following:

Abstract number
Author(s)
Title in English
Original title if in a Roman script language
Name of journal or other document
Year of publication, volume, part number and pagination
Language of text, and, in lower case, language(s) of summaries, followed by other bibliographic details
Organization where work was carried out
Abstract

936 MOLL, A. **[The effects of physiological aging of seed tubers on growth characteristics of eight potato cultivars tested under controlled conditions.]** Einfluss der physiologischen Alterung bei Pflanzknollen verschiedener Sorten auf Wachstumcharakteristika im Laborversuch. *Potato Research* (1994) **37** (1) 11-20 [De, en, 10 ref.] Vormals Institut für Kartoffelforschung Gross Lüsewitz, 2551 Gross Lüsewitz, Germany.

In 2-year trials, during physiological aging, samples of 15 tubers of each of 8 cultivars were desprouted, planted into a mixture of compost and peat, and placed in darkness at 22ºC. Averaged over cultivars, the number and length of sprouts increased with increasing physiological age of the seed tubers until a maximum was reached. Beyond this, a slight decline in the number of sprouts was observed. With advanced physiological age, the diameter and DM content of the sprouts decreased. However, these characteristics could not be used to monitor differences in the rate of physiological aging between the potato cultivars. The growth capacity (GC = sprout and root mass (g) per tuber after 20 d at 22º) showed an optimum in the course of physiological aging. Root mass reached optimum levels earlier than sprout mass and in most cases also earlier than the total mass. Despite year-to-year variation, cultivar differences in the rate of aging could be noted from the timing of the GC optima (based on temperature sum), from the maximum values of GC and from the GC values immediately after the end of dormancy. For 3 pairs of cultivars the differences in rate of physiological aging, as observed in field trials, were confirmed by differences in growth capacity in the laboratory tests. For one pair of cultivars the laboratory test did not predict the different behaviour in the field.

For non-serial publications such as books, transliterated titles are given for languages in Cyrillic or Greek scripts.

Editorial additions within abstracts appear in square brackets e.g. for preferred Latin names of organisms.

Where an item is not abstracted from the original document but from a secondary source, this is indicated after the author's affiliation.

The author and subject indexes for the twelve monthly parts are cumulated to provide annual indexes. Terms used in the indexes are taken from the CAB Thesaurus, 1990 edition.

LANGUAGE SYMBOLS

The language symbols used are listed below. An initial capital letter denotes the main language of a paper, an initial small letter the language of the summary.

Af	Afrikaans	Eo	Esperanto	Ja	Japanese	Pt	Portuguese
Al	Albanian	Es	Spanish	Ko	Korean	Ro	Romanian
Ar	Arabic	Fi	Finnish	La	Latin	Ru	Russian
Az	Azerbaijani	Fr	French	Li	Lithuanian	Sh	Serbo Croat
Be	Belarussian	Gr	Greek	Lv	Latvian	Sk	Slovak
Bg	Bulgarian	He	Hebrew	Ma	Macedonian	Sn	Slovenian
Ch	Chinese	Hi	Hindi	My	Bahasa Malaysia/ Malay	Sv	Swedish
Cs	Czech	Hu	Hungarian			Ta	Tajik
Da	Danish	Ia	Interlingua	Nl	Dutch, Flemish	Th	Thai
De	German	In	Indonesian	No	Norwegian	Tr	Turkish
Ee	Estonian	Is	Icelandic	Pe	Persian	Uk	Ukrainian
En	English	It	Italian	Pl	Polish		

ABBREVIATIONS

ADP	adenosine diphosphate
a.i.	active ingredient
alt.	altitude
AMP	adenosine monophosphate
Apr.	April
ATP	adenosine triphosphate
Aug.	August
cAMP	cyclic adenosine monophosphate
CEC	cation exchange capacity
CGR	crop growth rate
CP	crude protein
cv.	cultivar
Dec.	December
DM	dry matter
DNA	deoxyribonucleic acid
DW	dry weight
E.	East
e.g.	for example
ELISA	enzyme-linked immunosorbent assay
EM	electron microscope
ESP	exchangeable sodium percentage
Feb.	February
f.sp.	*forma specialis* (special form)
FW	fresh weight
FYM	farmyard manure
GC	gas chromatography
GLC	gas-liquid chromatography
HPLC	high performance liquid chromatography
i.e.	that is
Ig	immunoglobulin
IR	infrared
Jan.	January
LAI	leaf area index
M	molar
Mar.	March
MIM	multiple ion monitoring
mol.	molecular
MS	mass spectrometry
MW	molecular weight
N.	north
N	normal (concentration)
n	haploid chromosome number
NAD	nicotinamide adenine dinucleotide
NADH	nicotinamide adenine dinucleotide (reduced form)
NADP	nicotinamide adenine dinucleotide phosphate
NADPH	nicotinamide adenine dinucleotide phosphate (reduced form)
NAR	net assimilation rate
NE	north-east
NMR	nuclear magnetic resonance
Nov.	November
NW	north-west
Oct.	October
OM	organic matter
P	probability
PAGE	polyacrylamide gel electrophoresis
PAL	phenylalanine ammonia-lyase
PAR	photosynthetically active radiation
PEP	phosphoenolpyruvate
Pfr	phytochrome, far-red form
Pr	phytochrome, red form
pH	hydrogen ion concentration
post-em.	pre-emergence
p.p.m.	parts per million
pre-em.	pre-emergence
PSI, PSII	photosystem I, photosystem II
r	correlation coefficient
RC	radioconductivity
RGR	relative growth rate
RH	relative humidity
RNA	ribonucleic acid
r.p.m.	revolutions per minute
S.	south
SDS	sodium dodecyl sulphate
SE	south-east
SEM	scanning electron microscope
Sep.	September
SIM	selective ion monitoring
sp., spp.	species (s. and pl.)
subsp., subspp.	subspecies (s. and pl.)
SW	south-west
TLC	thin-layer chromatography
UV	ultraviolet
vs.	versus
v/v	volume/volume
v/w	volume/weight
W.	west
w.p.	wettable powder
w/v	weight/volume
w/w	weight/weight

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Many other serials were scanned during 1994 but no relevant articles were selected. A full list of all the serials scanned for items suitable for abstracting for the CAB ABSTRACTS database and the whole range of CABI's abstract journals is given in the *CAB International Serials Checklist, 1988 edition.* The publication includes ISSNs and publishers' addresses.

ACIAR Food Legume Newsletter
Acta Academiae Agriculturae ac Technicae Olstenensis, Agricultura
Acta Agriculturae Boreali-Sinica
Acta Agriculturae Nucleatae Sinica
Acta Agriculturae Scandinavica. Section B, Soil and Plant Science
Acta Agriculturae Shanghai
Acta Agriculturae Universitatis Pekinensis
Acta Agrobotanica
Acta Agronomica Óváriensis
Acta Agronomica Sinica
Acta Agronómica, Universidad Nacional de Colombia
Acta Biochimica et Biophysica Sinica
Acta Biochimica Polonica
Acta Biotheoretica
Acta Botanica Austro Sinica
Acta Botanica Hungarica
Acta Botanica Neerlandica
Acta Botanica Sinica
Acta Facultatis Rerum Naturalium Universitatis Comenianae, Genetica et Biologia Molecularis
Acta Genetica Sinica
Acta Horticulturae
Acta Ovariensis
Acta Pedologica Sinica
Acta Physiologiae Plantarum
Acta Phytopathologica et Entomologica Hungarica
Acta Phytopathologica Sinica
Acta Phytophylacica Sinica
Acta Phytophysiologica Sinica
Acta Scientiarum Naturalium Universitatis Normalis Hunanensis
Acta Scientiarum Naturalium Universitatis Sunyatseni
Acta Societatis Botanicorum Poloniae
Acta Technologica Agriculturae
Actes de l'Institut Agronomique et Vétérinaire Hassan II
Actualidades Regional - Instituto Colombiano Agropecuario
Advances in Agronomy
Advances in Ecological Research
Advances in Horticultural Science
Advances in Plant Sciences
Advances in Space Research
Agribiological Research
Agribusiness (New York)
Agricoltura Mediterranea
Agricoltura Ricerca
Agricultura Técnica (Santiago)
Agricultura Tropica et Subtropica
Agricultura, Revista Agropecuaria
Agricultural and Forest Meteorology
Agricultural Engineering Today
Agricultural Research Journal of Kerala
Agricultural Reviews (Karnal)
Agricultural Science Digest (Karnal)
Agricultural Science in Finland
Agricultural Situation in India
Agricultural Systems
Agricultural Water Management
Agriculture in Northern Ireland
Agriculture, Ecosystems & Environment
Agrivita
Agro Food Industry Hi-Tech
Agro Sur
Agro-Ciencia
Agrochimica
Agroforestería
Agroforestry Systems
Agroforestry Today
Agrokémia és Talajtan
Agrokhimiya
Agronomía Colombiana
Agronomía Costarricense
Agronomía Tropical (Maracay)
Agronômico
Agronomie
Agronomie Tropicale
Agronomy and Soils Departmental Series - Alabama Agricultural Experiment Station
Agronomy Journal
Agropedology
Agrotechnology Transfer
Agrotecnia de Cuba
Al Awamia
Alimentos e Nutrição
Allelopathy Journal
AMA, Agricultural Mechanization in Asia, Africa and Latin America
American Biology Teacher
American Journal of Agricultural Economics
American Journal of Alternative Agriculture
American Journal of Botany
American Potato Journal
Amino Acids
Anadolu
Analele Institutului de Cercetări pentru Cereale şi Plante Tehnice, Fundulea
Anales de la Academia Nacional de Ciencias Exactas, Físicas y Naturales de Buenos Aires
Anales de la Estación Experimental de Aula Dei
Analytical Biochemistry
Angewandte Botanik
Animal Feed Science and Technology
Annales de Gembloux
Annales Universitatis Mariae Curie-Skłodowska. Sectio EE Zootechnica
Annali dell'Istituto Sperimentale per la Cerealicoltura
Annals of Agricultural Research
Annals of Agricultural Science (Cairo)
Annals of Agricultural Science, Moshtohor
Annals of Applied Biology
Annals of Arid Zone
Annals of Bangladesh Agriculture
Annals of Biology (Ludhiana)
Annals of Botany
Annals of Plant Physiology
Annals of Warsaw Agricultural University SGGW-AR, Agriculture
Année Biologique
Annual Review of Plant Physiology and Plant Molecular Biology
Applied Engineering in Agriculture
Applied Geography (Sevenoaks)
Applied Plant Science
Arab Gulf Journal of Scientific Research
Archives of Biochemistry and Biophysics
Archives of Environmental Contamination and Toxicology
Archivos Latinoamericanos de Nutrición
Arid Soil Research and Rehabilitation
Arkansas Farm Research
Arquivos de Biologia e Tecnologia
Arroz
Arroz en las Américas
Aspects of Applied Biology
Assiut Journal of Agricultural Sciences
Atmospheric Environment. Part A, General Topics
Australian Journal of Agricultural Research
Australian Journal of Botany
Australian Journal of Experimental Agriculture
Australian Journal of Plant Physiology
Australian Journal of Soil Research
Avance Agroindustrial
Bangladesh Journal of Animal Science
Bangladesh Journal of Scientific and Industrial Research
Bangladesh Journal of Training and Development
Bayerisches Landwirtschaftliches Jahrbuch
Beijing Agricultural Sciences
Beiträge zur Tabakforschung International
Beiträge zur Tropischen Landwirtschaft und Veterinärmedizin
Berichte über Landwirtschaft
Berita - Pusat Penelitian Perkebunan Gula Indonesia
Betodlaren
Better Crops with Plant Food
Bhartiya Krishi Anusandhan Patrika
Biochemical and Biophysical Research Communications

Biochemical Archives
Biochemical Genetics
Biochemical Journal (London)
Biochemical Society Transactions
Biochemie und Physiologie der Pflanzen
Biochemistry (New York)
Biochemistry (Washington)
Biochimica et Biophysica Acta, Bioenergetics
Biochimica et Biophysica Acta, General Subjects
Biochimica et Biophysica Acta, Lipids and Lipid Metabolism
Biochimica et Biophysica Acta, Protein Structure and Molecular Enzymology
Biochimie
BioEssays
Biofutur
Biológia (Bratislava)
Biological Agriculture & Horticulture
Biological Chemistry Hoppe-Seyler
Biological Reviews of the Cambridge Philosophical Society
Biologicheskie Membrany
Biology and Fertility of Soils
Biology Bulletin of the Russian Academy of Sciences
Biology of the Cell
Bioresource Technology
Bioscience, Biotechnology and Biochemistry
Biotechnology and Applied Biochemistry
Biotechnology and Bioengineering
Biotechnology Techniques
Biotronics
Bioved
Biuletyn Instytutu Hodowli i Aklimatyzacji Roślin
Biuletyn Instytutu Ziemniaka
Biuletyn Warzywniczy
Bodenkultur
Boletim de Pesquisa - Centro de Pesquisa Agropecuária do Trópico Úmido
Boletim de Pesquisa Florestal
Boletim Técnico - Empresa de Pesquisa Agropecuária e Difusão de Tecnologia de Santa Catarina S.A.
Boletín de Sanidad Vegetal, Plagas
Boletín GEPLACEA
Boletín Técnico - Estación Experimental Agropecuaria, Balcarce
Botanica Acta
Botanical Bulletin of Academia Sinica
Botanical Research
Botanical Review
Botanicheskiĭ Zhurnal
Boundary-Layer Meteorology
Bragantia
British Sugar Beet Review
BSES Bulletin
Buletinul Academiei de Ştiinţe a Republicii Moldova. Ştiinţe Biologice şi Chimice
Buletinul Universităţii de Ştiinţe Cluj-Napoca. Seria Agricultura şi Horticultură
Bulletin - Connecticut Agricultural Experiment Station
Bulletin - Louisiana Agricultural Experiment Station
Bulletin - Mississippi Agricultural and Forestry Experiment Station
Bulletin - Pusat Penelitian Perkebunan Gula Indonesia
Bulletin de la Société Botanique de France, Actualités Botaniques
Bulletin de la Société Botanique de France, Lettres Botaniques
Bulletin des Recherches Agronomiques de Gembloux
Bulletin of Faculty of Agriculture, University of Cairo
Bulletin of Taichung District Agricultural Improvement Station
Bulletin of the Akita Prefectural College of Agriculture
Bulletin of the Aomori Agricultural Experiment Station
Bulletin of the Hokuriku National Agricultural Experiment Station
Bulletin of the National Institute of Agrobiological Resources
Bulletin of the Shikoku National Agricultural Experiment Station
Bulletin of the University of Agricultural Sciences, Gödöllő
Bulletin, Research and Development Division, Ministry of Agriculture, Jamaica
Byulleten' Glavnogo Botanicheskogo Sada
Cahiers Agricultures
Canadian Agricultural Engineering
Canadian Entomologist
Canadian Journal of Animal Science
Canadian Journal of Botany
Canadian Journal of Microbiology
Canadian Journal of Plant Pathology
Canadian Journal of Plant Science
Canadian Journal of Soil Science
Carbohydrate Polymers
Carbohydrate Research
Carpeta de Información Técnica, EEA, Anguil
Carta Trimestral - CENICAÑA, Centro de Investigación de la Caña de Azúcar de Colombia
Ceiba
Cell Biology International
Cellular and Molecular Biology (Noisy-le-Grand)
Cercetări Agronomice în Moldova
Cereal Chemistry
Cereal Research Communications
Chemical and Pharmaceutical Bulletin
Chemical Regulation of Plants
Chemistry Express
Chemistry of Natural Compounds
Chemosphere
China Cottons
China's Fiber Crops
Chinese Journal of Applied Ecology
Chinese Journal of Arid Land Research
Chinese Journal of Rice Science
Chinese Journal of Soil Science
Chromatographia
Ciencia Agropecuaria - Instituto de Investigación Agropecuaria de Panamá
Ciência Rural
Ciencias del Suelo, Riego y Mecanización
Científica (Jaboticabal)
CIP Research Guide
Circular - Instituto Agronômico do Paraná
Circular Técnica - Unidade de Execução de Pesquisa de Âmbito Estadual de Dourados
Climatic Change
COAL - Publikatie
Colección Información Técnica Agraria. Serie Agricultura
Communications in Soil Science and Plant Analysis
Comparative Biochemistry and Physiology. B, Comparative Biochemistry
Comparative Physiology and Ecology
Compost Science & Utilization
Comptes Rendus de l'Académie d'Agriculture de France
Comptes Rendus de l'Académie des Sciences. Série III, Sciences de la Vie
Comunicado Técnico - EMCAPA
Cooperative Sugar
Coton et Fibres Tropicales
Critical Reviews in Plant Sciences
Crop Genetic Resources
Crop Improvement
Crop Production Science
Crop Protection
Crop Research (Hisar)
Crop Science
CRRN, Chinese Rice Research Newsletter
Cryobiology
CSM Informatie
Cultivar (Paris)
Cultivos Tropicales
Current Agriculture
Current Opinion in Cell Biology
Current Research - University of Agricultural Sciences (Bangalore)
Current Science
Departmental Note - Scottish Centre of Agricultural Engineering
Dirasat. Series B, Pure and Applied Sciences
Documentos - Centro de Pesquisa Agropecuária do Trópico Úmido
Documentos - Centro de Pesquisa Agropecuária dos Cerrados
Documents de Travail du CIRAD-CA
Doğa, Türk Biyoloji Dergisi
Doğa, Türk Botanik Dergisi
Doğa, Türk Tarım ve Ormancılık Dergisi
Doklady Akademii Nauk Belarusi
Doklady Rossiĭskoĭ Akademii Sel'skokhozyaĭstvennykh Nauk
Doklady Vsesoyuznoĭ Ordena Lenina i Ordena Trudovogo Krasnogo Znameni Akademii Sel'skokhozyaĭstvennykh Nauk imeni V. I. Lenina
Doklady, Biological Sciences
Drying Technology
Ecological Economics (Amsterdam)
Ecological Modelling
Ecology and Development Paper - Centre for Sustainable Development, Agricultural University of Norway
Economic Affairs (Calcutta)
Ecossistema
Eesti Teaduste Akadeemia Toimetised, Bioloogia
Ege Üniversitesi Ziraat Fakültesi Dergisi
Egyptian Journal of Agronomy
Egyptian Journal of Applied Science
Egyptian Journal of Food Science
Egyptian Journal of Horticulture
Egyptian Journal of Microbiology
Egyptian Journal of Soil Science
Eisei Kagaku = Japanese Journal of Toxicology and Environmental Health
Eksperimentinė Biologija
EMBO Journal
Energia na Agricultura
Environment and Ecology
Environmental and Experimental Botany
Environmental Chemistry
Environmental Geochemistry and Health
Environmental Pollution

Euphytica
Eurasian Soil Science
European Journal of Agronomy
European Journal of Biochemistry
European Journal of Soil Biology
Experientia
Experimental Agriculture
Extension Bulletin - ASPAC, Food & Fertilizer Technology Center
Extension Bulletin - Cooperative Extension, College of Agriculture & Home Economics, Washington State University
FABIS Newsletter
FAGINFO
Fagnytt Hagebruk
Fagopyrum
FAO Plant Production and Protection Paper
FAO Plant Production and Protection Series
Farmers' Newsletter, Large Area
Farming Systems
FAT-Berichte
FEBS Letters
Feddes Repertorium
Feldwirtschaft
Fertiliser News
Fertilizer Research
Field Crops Research
Fitopatologia Brasileira
Fiziologiya i Biokhimiya Kul'turnykh Rasteniĭ
Fiziologiya na Rasteniyata
Flavour and Fragrance Journal
Fluoride
FONAIAP Divulga
Food Chemistry
Food Research International
Forest Ecology and Management
Forschungsbericht Agrartechnik des Arbeitskreises Forschung und Lehre der Max-Eyth-Gesellschaft (MEG)
Fresenius' Journal of Analytical Chemistry
Fujian Agricultural Science and Technology
Functional Ecology
Fundamental and Applied Nematology
Gartenbau Magazin
Gazeta Cukrownicza
Genetic Engineer and Biotechnologist
Genetic Resources and Crop Evolution
Genetica Polonica
Genetika a Šlechtění
Geoderma
Gesunde Pflanzen
Giannini Foundation Information Series
Godišen Zbornik na Zemjodelskiot Fakultet na Univerzitetot vo Skopje
Grana
Grassland of China
Groundnut News
Guangdong Agricultural Sciences
Gujarat Agricultural University Research Journal
Haryana Agricultural University Journal of Research
Haryana Journal of Agronomy
Hassadeh
Health Physics
Helia
HGCA Oilseeds Project Report
HGCA Project Report
HGCA Research Review
Himachal Journal of Agricultural Research
Histochemical Journal
Hodowla Roślin, Aklimatyzacja i Nasiennictwo
Horticultura Brasileira
Horticultural Journal
Horticultural Reviews
HortScience
HortTechnology
Hungarian Agricultural Engineering
Hungarian Agricultural Research
IAR Newsletter of Agricultural Research
IEEE Transactions on Geoscience and Remote Sensing
Ilmu Pertanian
Indian Agriculturist
Indian Farming
Indian Journal of Agricultural Engineering
Indian Journal of Agricultural Research
Indian Journal of Agricultural Sciences
Indian Journal of Agronomy
Indian Journal of Applied and Pure Biology
Indian Journal of Biochemistry & Biophysics
Indian Journal of Environmental Health
Indian Journal of Experimental Biology
Indian Journal of Forestry
Indian Journal of Hill Farming
Indian Journal of Plant Physiology
Indian Journal of Plant Protection
Indian Journal of Pulses Research
Indian Phytopathology
Indian Review of Life Sciences
Indian Sugar
Indian Textile Journal
Indonesian Journal of Crop Science
Indonesian Journal of Tropical Agriculture
Industria Saccarifera Italiana
Industrial Crops and Products
INFORM - International News on Fats, Oils and Related Materials
Informaciones Técnicas - Departamento de Agricultura, Ganadería y Montes, Diputación General de Aragón
Informações Agronômicas
Informativo de Tecnología Agropecuaria para la Región Semiárida Pampeana
Informatore Agrario
Informe Agropecuário (Belo Horizonte)
Informe Técnico - Estación Experimental Agropecuaria Pergamino
Informe Técnico - INTA Estación Experimental Agropecuaria
INTA Información para Extensionistas
International Agrophysics
International Chickpea Newsletter
International Journal of Climatology
International Journal of Pest Management
International Journal of Plant Sciences
International Journal of Remote Sensing
International Journal of Tropical Agriculture
International Rice Research Newsletter
International Rice Research Notes
Investigación Agraria, Producción y Protección Vegetales
Iranian Journal of Agricultural Sciences
Irish Journal of Agricultural and Food Research
IRRI Research Paper Series
Irrigation and Drainage Systems
Irrigation Science
Irrigazione e Drenaggio
Israel Agresearch
Israel Journal of Chemistry
Izvestiya Akademii Nauk Respubliki Kazakhstan. Seriya Biologicheskaya
Izvestiya Timiryazevskoĭ Sel'skokhozyaĭstvennoĭ Akademii
Jaarboekje - Stichting Nederlands Instituut voor Brouwgerst, Mout en Bier
Japanese Journal of Breeding
Japanese Journal of Crop Science
Japanese Journal of Farm Work Research
Japanese Journal of Genetics
Japanese Journal of Tropical Agriculture
JARQ, Japan Agricultural Research Quarterly
Jiangsu Agricultural Chemical
Jiangsu Agricultural Sciences
Jiangsu Journal of Agricultural Sciences
Journal - American Society of Sugar Cane Technologists
Journal for Farming Systems Research-Extension
Journal of Agricultural and Food Chemistry
Journal of Agricultural and Resource Economics
Journal of Agricultural Engineering Research
Journal of Agricultural Meteorology
Journal of Agricultural Research of China
Journal of Agricultural Science
Journal of Agricultural Science, Tokyo Nogyo Daigaku
Journal of Agriculture of the University of Puerto Rico
Journal of Agronomy and Crop Science
Journal of Applied Meteorology
Journal of Applied Phycology
Journal of Applied Seed Production
Journal of Arid Environments
Journal of Biochemistry (Tokyo)
Journal of Biological Chemistry
Journal of Biosciences
Journal of Biotechnology
Journal of Cereal Science
Journal of Chemical Ecology
Journal of Chromatographic Science
Journal of Chromatography, Biomedical Applications
Journal of Climate
Journal of Ecology (Oxford)
Journal of Economic Entomology
Journal of Engineering for International Development
Journal of Entomological Science
Journal of Environmental Biology
Journal of Environmental Management
Journal of Environmental Quality
Journal of Environmental Radioactivity
Journal of Environmental Science and Health. Part A, Environmental Science and Engineering
Journal of Environmental Sciences
Journal of Experimental Botany
Journal of Experimental Zoology
Journal of Food Composition and Analysis
Journal of Food Science
Journal of Home & Consumer Horticulture

Journal of Huazhong Agricultural University
Journal of Hunan Agricultural College
Journal of Industrial Pollution Control
Journal of Irrigation Engineering and Rural Planning
Journal of Japan Society of Air Pollution
Journal of King Saud University, Agricultural Sciences
Journal of Liquid Chromatography
Journal of Maharashtra Agricultural Universities
Journal of Molecular Biology
Journal of Mycopathological Research
Journal of Nanjing Agricultural University
Journal of Nanjing Institute of Meteorology
Journal of Natural Products
Journal of Natural Resources and Life Sciences Education
Journal of Nematology
Journal of Nuclear Agriculture and Biology
Journal of Pesticide Science
Journal of Planar Chromatography
Journal of Plant Growth Regulation
Journal of Plant Nutrition
Journal of Plant Physiology
Journal of Plant Protection in the Tropics
Journal of Potassium Research
Journal of Production Agriculture
Journal of Protein Chemistry
Journal of Radioanalytical and Nuclear Chemistry
Journal of Research of Andhra Pradesh Agricultural University
Journal of Research, Birsa Agricultural University
Journal of Root Crops
Journal of Seed Technology
Journal of Shandong Agricultural University
Journal of Shanghai Agricultural College
Journal of Shenyang Agricultural University
Journal of Sichuan University, Natural Science Edition
Journal of Soil and Water Conservation
Journal of Soils and Crops
Journal of South China Agricultural University
Journal of Southwest Agricultural University
Journal of Stored Products Research
Journal of Structural Biology
Journal of Sustainable Agriculture
Journal of the American Oil Chemists' Society
Journal of the American Society for Horticultural Science
Journal of the Andaman Science Association
Journal of the Indian Potato Association
Journal of the Indian Society for Cotton Improvement
Journal of the Indian Society of Soil Science
Journal of the Institute of Agriculture and Animal Science
Journal of the Institute of Brewing
Journal of the Japanese Society for Horticultural Science
Journal of the Japanese Society of Agricultural Machinery
Journal of the Kansas Entomological Society
Journal of the Korean Society of Tobacco Science
Journal of the National Science Council of Sri Lanka
Journal of the Oil Technologists' Association of India
Journal of the Science of Food and Agriculture
Journal of the Southern African Society for Horticultural Sciences
Journal of Theoretical Biology
Journal of Thermal Biology
Karnataka Journal of Agricultural Sciences
Kartofel' i Ovoshchi
Kartoffelbau
Kasetsart Journal, Natural Sciences
Khimiya v Sel'skom Khozyaĭstve
Korean Journal of Crop Science
Köy Hizmetleri Menemen Araştırma Enstitüsü Müdürlüğü Yayınları
KTBL-Arbeitspapier
Kühn-Archiv
Kukuruza i Sorgo
Landbauforschung Völkenrode
Landscape and Urban Planning
Landscape Ecology
Landtechnik
Landwirtschaft Schweiz
Lavoura Arrozeira
Legume Research
Lens
Leucaena Research Reports
Liebigs Annalen der Chemie
Lietuvos TSR Aukštųjų Mokyklų Mokslo Darbai, Biologija
Lietuvos Zemdirbystes Instituto Mokslo Darbai, Zemdirbyste
Lilloa
Lipids
Listy Cukrovarnické a Řepařské
Louisiana Agriculture
Lucrari Stiintifice, Institutul Agronomic 'Nicolae Balcescu', Bucuresti, Seria E, Imbunatatiri Funciare
Madras Agricultural Journal
Magyar Állatorvosok Lapja
Maize Genetics Cooperation Newsletter
Majalah Perusahaan Gula
Malaysian Agricultural Journal
Máquinas y Tractores Agrícolas
Mathematics and Computers in Simulation
Maydica
Meddelande - Jordbrukstekniska Institutet
Mededeling van de Vakgroep Plantaardige Produktie
Mededelingen van de Faculteit Landbouwwetenschappen, Universiteit Gent
Medit
Mekhanizatsiya i Élektrifikatsiya Sel'skogo Khozyaĭstva
Melding - Institutt for Tekniske Fag, Norges Landbrukshøgskole
Memoirs of the Faculty of Agriculture, Kagoshima University
Metodiky pro Zavádění Výsledků Výzkumu do Zemědělské Praxe
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